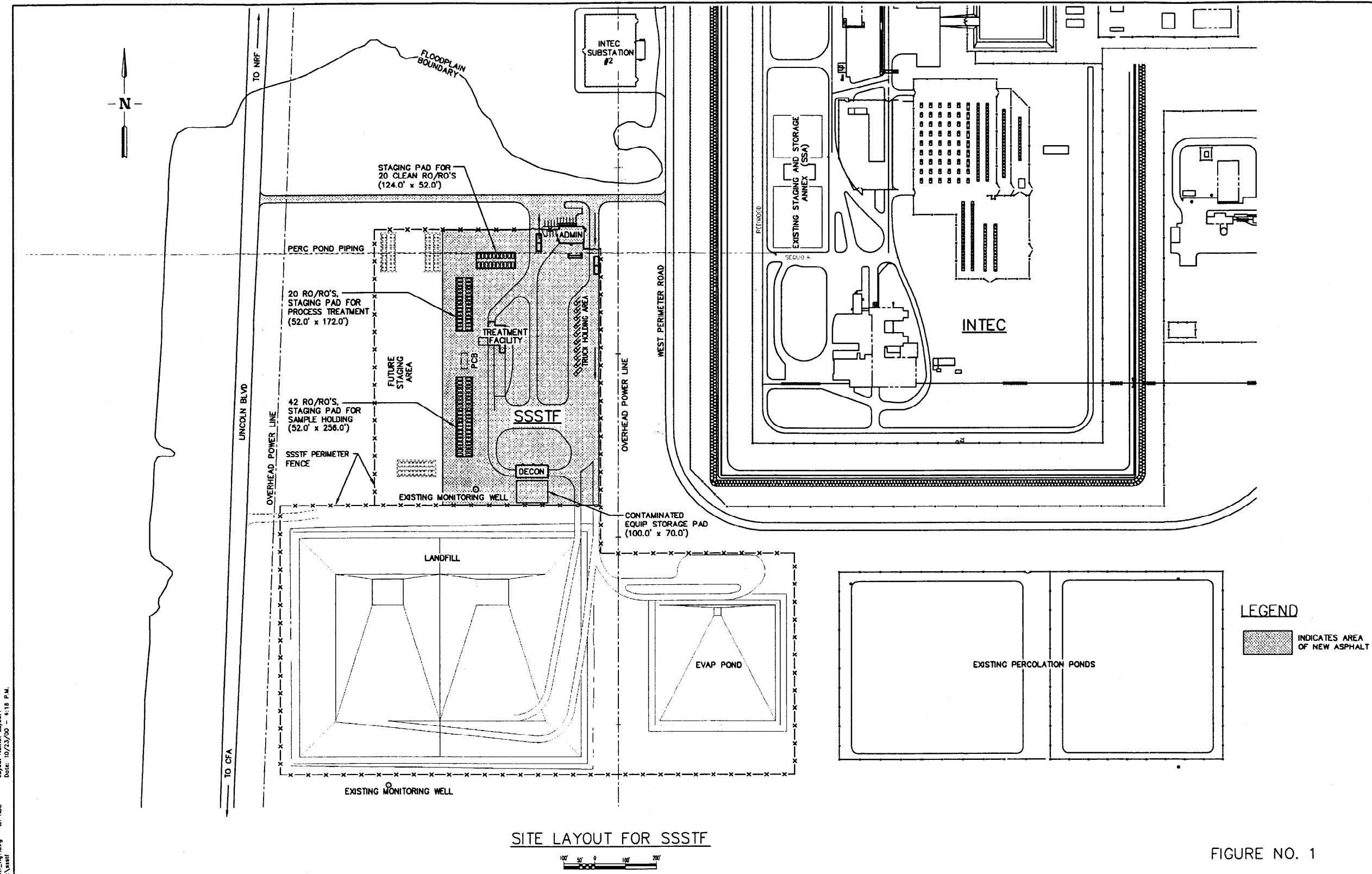


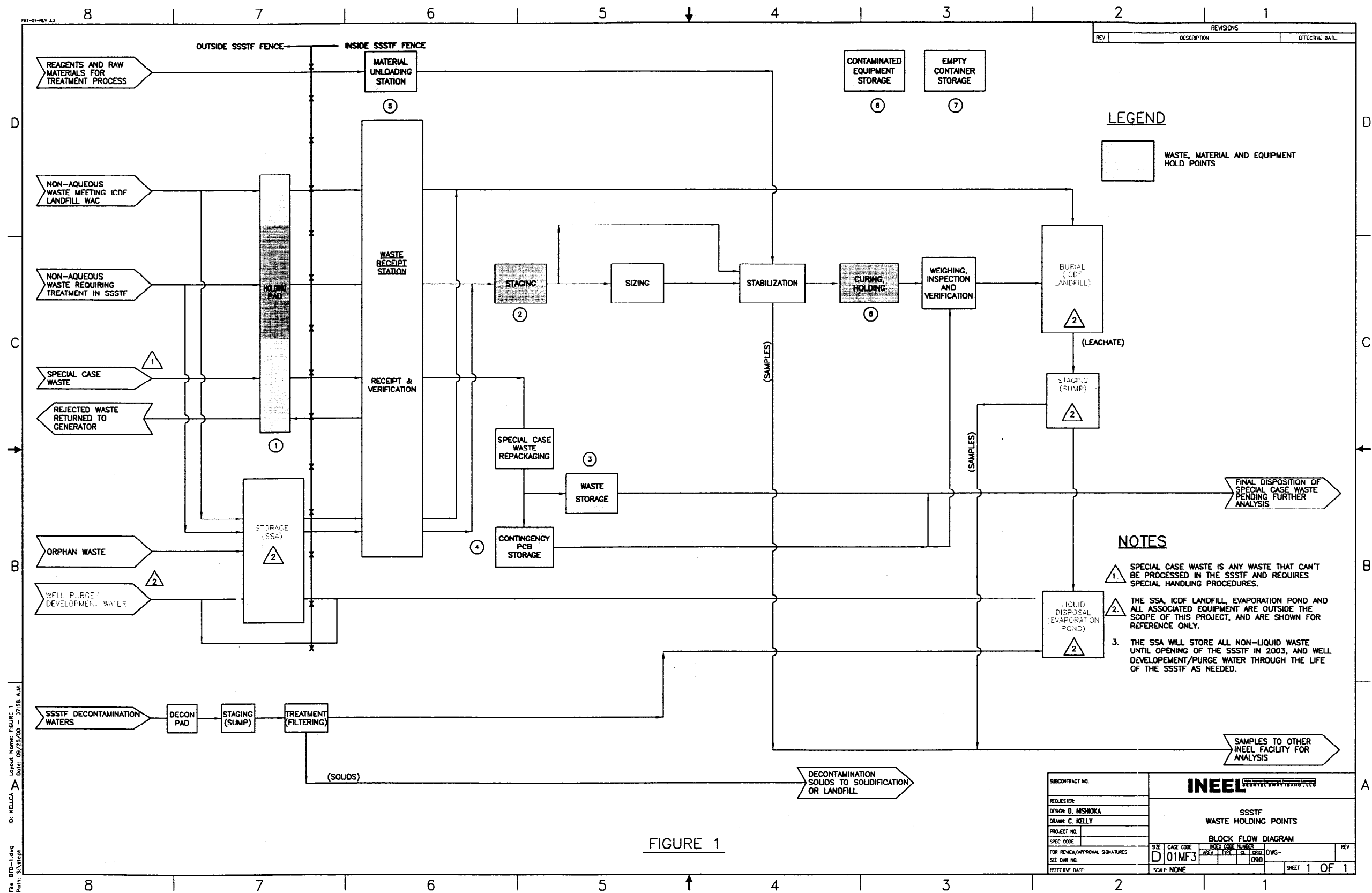
## **Appendix A**

### **Site Layout**



## **Appendix B**

### **Block Flow Diagram**



File: BFD-1.dwg  
Plot: S:\1545  
Layout Name: FIGURE 1  
Date: 09/25/00 - 07:58 A.M.  
ID: KELCO

SUBCONTRACT NO.		<b>INEEL</b>	
REQUESTOR:		DESIGN: D. MISHOKA	
DRAWN: C. KELLY		PROJECT NO.	
SPEC CODE		FOR REVIEW/APPROVAL SIGNATURES	
SEE DWR NO.		EFFECTIVE DATE:	
SIZE	CAGE CODE	INSET CODE NUMBER	REV
D	01MF3	000	000
SCALE: NONE		SHEET 1 OF 1	

## **Appendix C**

### **Technical and Functional Requirement Summary**

T&FR REQUIREMENTS MATRIX		
Number	Requirement	Comments
001	SSSTF shall accept onsite INEEL CERCLA remediation waste as defined in the CERCLA Waste Inventory Database for either storage, treatment, and/or disposal.	EDF No. 1547 states the waste flow rates for which storage will be designed.
004	The External Staging and Storage Function shall provide for TBD03 gal of interim storage for monitoring well purge water and other liquid waste in accordance with 40 CFR 264.553 and 40 CFR 264.554.	The monitoring well purge water will be handled as described in item #036.
010	The External Staging Storage Function shall provide TBD05 ft <sup>2</sup> of external staging areas for non-aqueous wastes awaiting treatment or disposal.	Provision of an area to stage approximately 28 RO/RO or 8,944 ft <sup>3</sup> awaiting treatment and 42 RO/RO or 13,312 ft <sup>3</sup> staging for sample holding prior to disposal See the site area map in Appendix A.
012	The Internal Staging/Storage Function shall provide TBD07 ft <sup>3</sup> for covered RCRA/TSCA/435.1 compliant (but not permitted) storage of waste and reagent storage to be utilized until treatment and disposal of waste can be achieved.	The only need for covered storage at this time will be for special wastes and an estimated volume of PCBs > 500 ppm. (PCB volume assumed at 13 yd <sup>3</sup> volume or (1) RO/RO)
029	SSSTF shall be designed to handle non-contact waste.	Non-contact handled wastes will be handled by using long reach tools. Shielding or manipulators will not be required. See EDF #13.
035	The Off-Load/Load Function shall provide the capability to off-load and load non-aqueous waste from bulk transfer vehicles, RO/RO containers, or other containers and place in staging or storage.	The non-aqueous wastes will be shipped in sealed containers such as drums, boxes, and super-sacks or RO/RO, and covered trucks depending on the potential for the spread of radioactive contamination. Capability to transfer the shipped waste into the stabilization equipment or the landfill if stabilization is not required will be provided.
036	The Off-Load/Load Function shall provide the capability too off-load and load liquid waste from bulk tanker vehicles or other containers and transfer to storage.	Most aqueous wastes will be disposed of directly in the ICDF EP. If temporary staging is required while awaiting sample analysis results, the aqueous wastes will be stored in holding tanks that will be provided at the SSA.
037	The Off-Load/Load function shall provide the capability to off-load bulk or prepackaged operation supplies and place in storage.	Reagents utilized in the treatment process will be transferred upon receipt into top loading bottom unloading for use as needed.
038	The External Staging/Storage Function shall provide for TBD04 gal of liquid waste storage.	The SSA will provide the necessary capacity for aqueous waste storage. The SSSTF decontamination waters will be transferred directly to the EP and will not require storage.
039	The External Staging/Storage function shall provide for TBD06 ft <sup>3</sup> of external storage area(s) for empty waste containers.	Area for a minimal number of empty waste containers will be provided. The area will store the equivalent of 20 RO/RO approximately 6,448 ft <sup>3</sup> in area.
040	The Internal Staging/Storage Function shall provide TBD08 ft <sup>3</sup> of storage capacity for those wastes that do not meet the ICDF WAC or treatment capabilities of the SSSTF.	The SSA, an existing storage area, will provide storage for the TRU waste identified as the Tank Farm IDW Samples. This waste will be generated prior to the activation SSSTF.
043	The Waste Treatment Function shall provide for TBD09 feet of storage areas for secondary waste.	No secondary wastes will be stored at this time.
048	The SSSTF shall be designed for year round acceptance of waste for storage or off-site disposal.	The three-month lag time in operations between the landfill and the SSSTF will accommodate packaging, maintenance, and storage activities.